

**Preliminary Amendment of U.S. National Stage for International Application  
PCT/EP99/09739 filed December 10, 1999**

11. The composition of claim 10 wherein the fatty alcohol sulfate is present in the composition in an amount of from about 85 to 95% by weight, based on the weight of the composition.

12. The composition of claim 10 wherein the olefin sulfonate is present in the composition in an amount of from about 5 to 15% by weight, based on the weight of the composition.

13. The composition of claim 10 wherein the fatty alcohol sulfate corresponds to formula I:



wherein  $R^1$  is a linear or branched, saturated or unsaturated hydrocarbon radical containing from about 6 to 18 carbon atoms, and X is an alkali metal or alkaline earth metal, ammonium, alkyl ammonium, alkanolammonium or glucammonium.

14. The composition of claim 10 wherein the olefin sulfonate is derived by:

(a) addition of  $SO_3$  onto an olefin corresponding to formula II:



wherein  $R^2$  and  $R^3$ , independently of one another, represent H or alkyl groups containing from 1 to about 20 carbon atoms, with the proviso that  $R^2$  and  $R^3$  together contain at least 6 carbon atoms;

(b) hydrolysis; and

(c) neutralization.

15. The composition of claim 10 wherein the olefin sulfonate comprises:

(a) ca. 60% by weight of alkane sulfonate; and

(b) ca. 40% by weight of hydroxyalkane sulfonate of which 80 to 85% by weight are monosulfonate and 15 to 20% by weight are disulfonate.

16. A process for making surfactant granules comprising:

(a) providing an aqueous paste containing a fatty alcohol sulfate;

(b) providing an olefin sulfonate; and

(c) simultaneously drying and granulating the fatty alcohol sulfate and olefin

**Preliminary Amendment of U.S. National Stage for International Application  
PCT/EP99/09739 filed December 10, 1999**

sulfonate.

17. The process of claim 16 wherein the fatty alcohol sulfate corresponds to formula I:



wherein  $R^1$  is a linear or branched, saturated or unsaturated hydrocarbon radical containing from about 6 to 18 carbon atoms, and X is an alkali metal or alkaline earth metal, ammonium, alkyl ammonium, alkanolammonium or glucammonium.

18. The process of claim 16 wherein the olefin sulfonate is derived by:

(a) addition of  $SO_3$  onto an olefin corresponding to formula II:



wherein  $R^2$  and  $R^3$ , independently of one another, represent H or alkyl groups containing from 1 to about 20 carbon atoms, with the proviso that  $R^2$  and  $R^3$  together contain at least 6 carbon atoms;

(b) hydrolysis; and

(c) neutralization.

19. The process of claim 16 wherein step (c) is performed in a fluidized bed.

20. A cleaning composition containing the surfactant composition of claim 10.

21. The composition of claim 18 wherein the surfactant composition is present in an amount of from about 0.1 to 30% by weight, based on the weight of the cleaning composition.

22. A process for enhancing cold water solubility of a composition containing a fatty alcohol sulfate comprising adding an olefin sulfonate to the composition.

23. The process of claim 20 wherein the olefin sulfonate is combined with the fatty alcohol sulfate in an amount of from about 3 to 25% by weight, based on the weight of the composition.